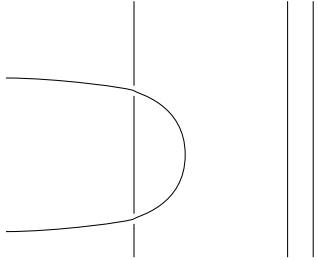


Check that the second Reidemeister move holds for a group-coloring. More specifically, check it for the Reidemeister move below.



This requires an argument for each of the four orientations of the first picture. Be sure also to check that the group generated by your choices remains constant.